Specifications

Intent of Use

The T10 Installation Tool is basically a Piston and Cylinder Assembly. When coupled Hydraulically and Electrically to a compatible Hydraulic Power Source and the relevant Nose Assembly is attached, it is then used to install $^{3}/_{8}$" Avdelok®, $^{5}/_{16}$" to $^{3}/_{8}$" Avbolt® and 16mm to 20mm Avseal® in Industrial Environments.

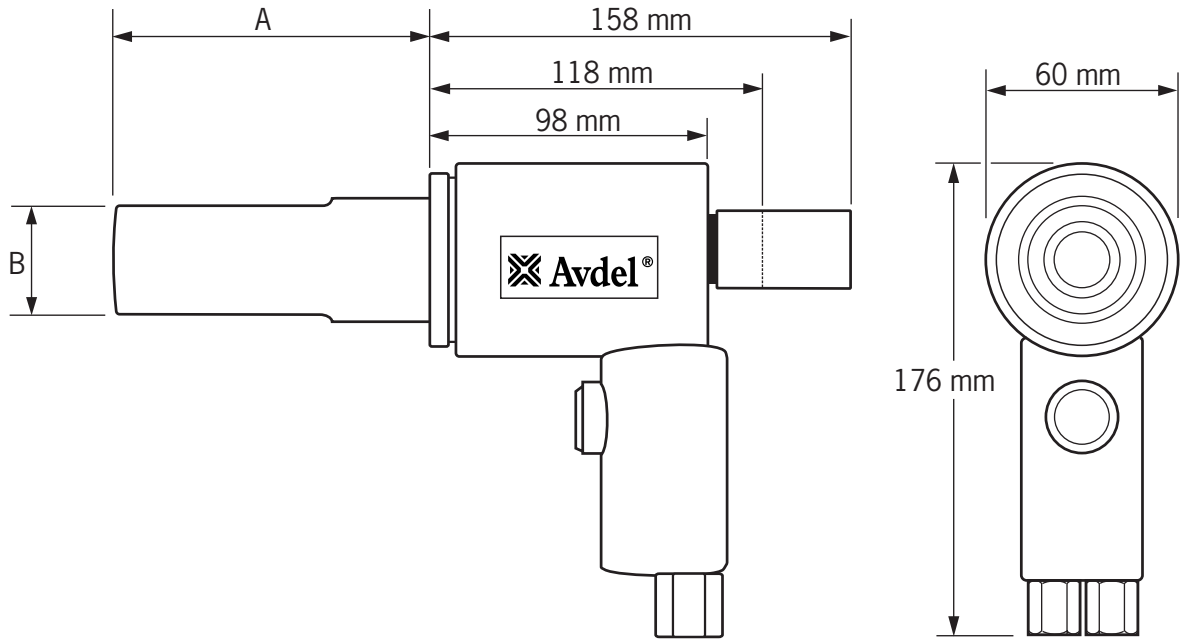
Refer to the table below for the list of applicable fasteners and associated nose equipment.
Refer to the datasheets listed in the table for the relevant nose assembly insructions.

FASTENER		NOSE ASSEMBLY				NOSE ASSEMBLY DATASHEET
TYPE	SIZE	PART Nº	HAT REF.	DIM. 'A'	DIM. 'B'	PART Nº
Avdelok®	$^{3}/_{8}$ (10mm)	73411-03100	N10	89mm	28mm	07900-00919
Avbolt®	$^{5}/_{16}$"	73411-03300	-	86mm	27mm	07900-00905
	$^{3}/_{8}$"	73411-03200	N11	86mm	29mm	07900-00905
Avseal®	16mm	73411-05000	-	89mm	27mm	07900-00840
	16mm flanged	73411-05000	-	89mm	27mm	07900-00840
	18mm	73411-05200	-	89mm	27mm	07900-00840
	20mm	73411-05400	-	89mm	27mm	07900-00840

Tool Specification

Length	158 mm	6.25 in
Body Diameter	60 mm	2.36 in
Height	176 mm	6.93 in
Weight	3.5 kg	7.7 lbs
Stroke	25 mm	1 in
Pull-Force	58kN	13040 lbf
Pull pressure	55.2 mPa	8000 PSI
Return Pressure	20.7 mPa	3000 PSI
Hydraulic Oil	ISO VG 46 OR EQUIVALENT	
Fastener Range	5 to 10 mm incl. M.G. & Blind Fasteners	
Noise Level	Below reportable levels	
Sound Power	Below reportable levels	
Vibration	Below reportable levels	

Tool Dimensions



Avdel®

An Acument™ Global Technologies Company

Avbolt® Nose Assembly Instructions

07220, T10 and T30 Tools

Safety Rules

This technical datasheet must be read with particular attention to the safety rules and operating instructions listed in the 07220 (07900-00648), T10 (07900-00820) and T30 (07900-00821) Instruction Manuals, by any person fitting or operating the Avbolt® nose assemblies and hand tools.

Intent of Use

The Avbolt® nose assemblies in combination with the 07220, T10 and T30 tools are designed for placing Avdel® Avbolt® structural fasteners only. The correct placing tool and nose assembly must be selected for each fastener size as shown in Table 1 below.

IMPORTANT

The tools and nose assemblies must be used in accordance with the safety rules and fitting instructions contained within this datasheet and the tool instruction manual. The placing of fasteners not included in this datasheet could have a detrimental impact on the working life of the tool and nose assemblies and could invalidate the warranty.

The Table 1 below provides a full list of part numbers, nose assemblies and base tools required to place each Avbolt® size. This table should be used to select and order the correct placing equipment.

Please note that there are two variants of nose equipment available to fit either Avdel® or Huck® hand tools.

For the fitting and servicing instructions for each nose assembly refer to the page number provided in Table 1.

Table 1: Nose Equipment Part Numbers

AVBOLT® SIZE	NOSE ASSEMBLY		JAWS	BASE TOOL	
	PART No	REF. PAGE	PART No	MODEL	PART No
1/4"	07220-07500	2	07220-07502	7220	07220-00200
	07220-07600	2	07220-07502	HUCK® 256	-
5/16"	07220-07700*	4	73411-03303	7220*	07220-00200*
	07220-07800	4	73411-03303	HUCK® 256	-
	73411-03300	6	73411-03303	T10	73411-02000
	73411-03400	6	73411-03303	HUCK® 2600	-
3/8"	73411-03200	8	73411-03203	T10	73411-02000
	73411-03500	8	73411-03203	HUCK® 2600	-
1/2"	-	-	-	-	-
	-	-	-	-	-
5/8"	73412-03400	10	73412-03403	T30	73412-02000
	73412-03500	10	73412-03403	HUCK® 585	-

* Please note: The 7220 tool is not suitable for high volume placement of 5/16" Avbolt®. The tool is only to be used for demonstration and/or low volume trial purposes.

1/4" Avbolt® Nose Assemblies - 07220-07500 and 07220-07600

IMPORTANT

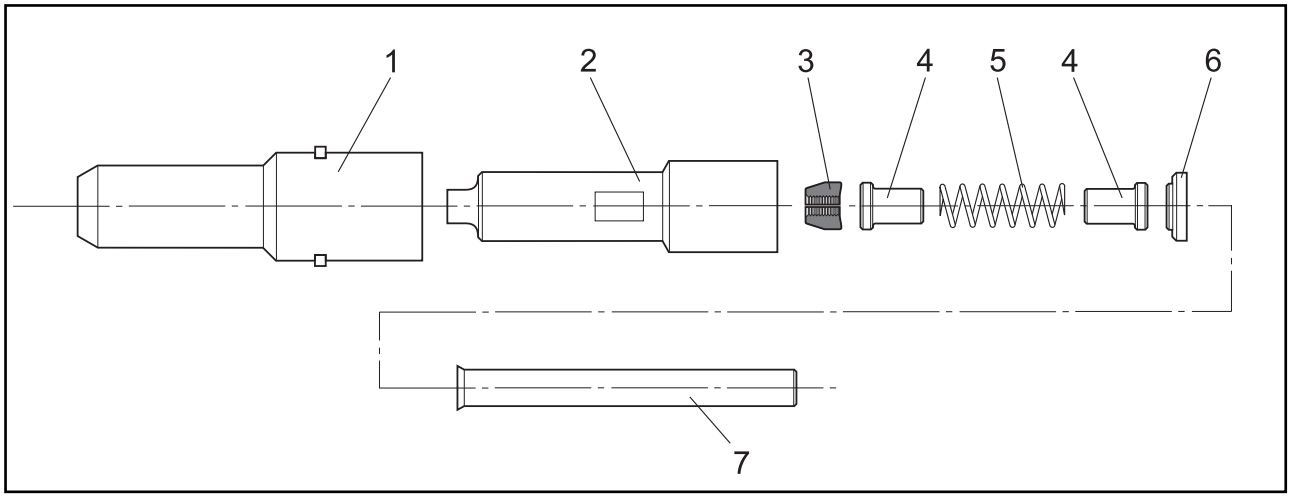
The air supply must be disconnected when fitting or removing nose assemblies.

NOSE ASSEMBLY
for Avdel® 07220 tool
part nº 07220-07500

ITEM	DESCRIPTION	PART Nº
1	ANVIL	07220-07501
2	COLLET	07220-07503
3	JAWS	07220-07502
4	SPRING GUIDE	07220-02104
5	SPRING	07220-02103
6	SPACER	07220-07504
7	PINTAIL TUBE	07220-07505

NOSE ASSEMBLY
for Huck® 256 tool
part nº 07220-07600

ITEM	DESCRIPTION	PART Nº
1	ANVIL	07220-07501
2	COLLET	07220-07503
3	JAWS	07220-07502
4	SPRING GUIDE	07220-02104
5	SPRING	07220-02103
6	SPACER - HUCK®	07220-07601
7	PINTAIL TUBE	07220-07505



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the tables and illustration above.

- Lightly coat Jaws **3** with Moly Lithium grease.
- Assemble Spring Guide **4** and Spring **5** and stand on end on a flat even surface.
- Balance the three Jaws **3** on the upper Spring Guide **4**.
- Carefully lower Collet **2** over the assembled components.
- Holding the assembled collet pointing downwards insert Spacer **6** behind the rear Spring Guide **4**.
- Insert Pintail Tube **7** into the tool head piston bore.
- Holding the tool pointing down, screw the assembled collet fully onto the tool head piston and tighten with a suitable spanner.

1/4" Avbolt® Nose Assemblies - 07220-07500 and 07220-07600

Fitting Instructions

07220 Tool:

- Place Anvil **1** over Collet **2** and onto the tool, ensuring that the lugs on the body enter the slots in the head extension of the tool.
- Turn the reducing adaptor body through 90° then turn the head extension ring until it springs into its position in the slots of the head extension.

Huck® 256 Tool:

- Place Anvil **1** over Collet **2** and into the tool. Slide the retainer nut over Anvil **1**, screw fully onto the tool and tighten by hand.

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **3**.
- Check that Spring **5** and Spring Guides **4** are not distorted.
- Clean and inspect components, renewing worn or damaged items.
- Assemble according to the 'Fitting Instructions'.

$^{5}/_{16}$" Avbolt® Nose Assemblies - 07220-07700 and 07220-07800

IMPORTANT

The air supply must be disconnected when fitting or removing nose assemblies.

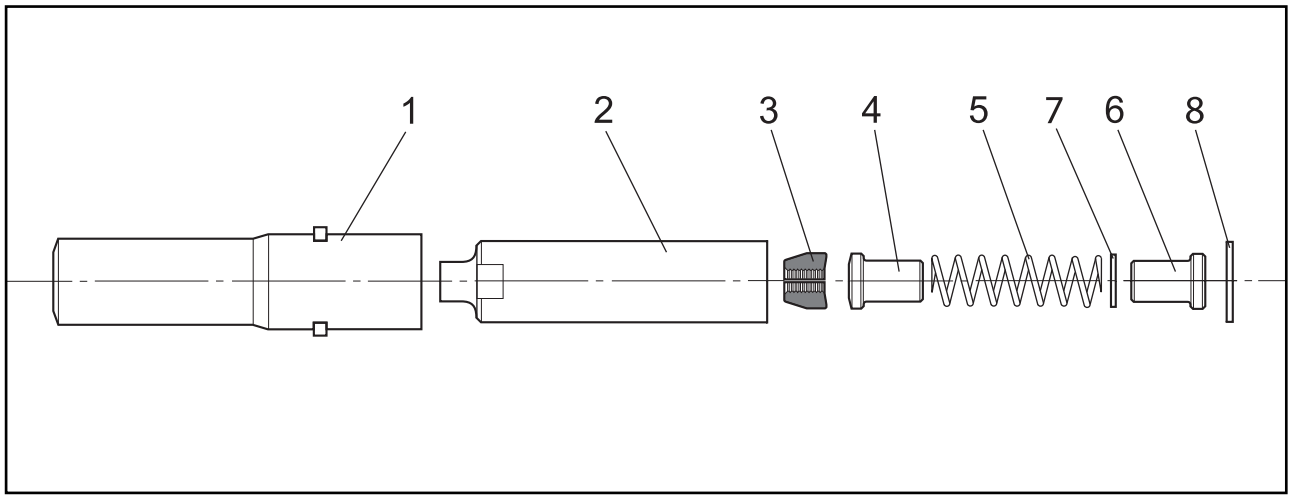
Please note: The 7220 tool is not suitable for high volume placement of $^{5}/_{16}$" Avbolt®. The tool is only to be used for the demonstration and/or low volume trial purposes.

NOSE ASSEMBLY
for Avdel® 07220 tool
part nº 07220-07700

ITEM	DESCRIPTION	PART Nº
1	ANVIL	07220-07701
2	COLLET	07220-07702
3	JAWS	73411-03303
4	FOLLOWER	07220-07703
5	SPRING	07220-06305
6	SPRING GUIDE	07220-07704

NOSE ASSEMBLY
for Huck® 256 tool
part nº 07220-07800

ITEM	DESCRIPTION	PART Nº
1	ANVIL	07220-07701
2	COLLET	07220-07702
3	JAWS	73411-03303
4	FOLLOWER	07220-07703
5	SPRING	07220-06305
6	SPRING GUIDE	07220-07704
7	SHIM	07220-07801
8	SHIM	07220-07802



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the tables and illustration above.

07220 Tool:

- Lightly coat Jaws **3** with Moly Lithium grease.
- Assemble Spring Guide **6**, Spring **5** and Follower **4** and stand on end on a flat even surface.
- Balance the three Jaws **3** on Follower **4**.
- Carefully lower Collet **2** over the assembled components.
- Holding the tool pointing down, screw the assembled collet fully onto the tool head piston and tighten with a suitable spanner.
- Place Anvil **1** over Collet **2** and onto the tool, ensuring that the lugs on the body enter the slots in the head extension of the tool.
- Turn the reducing adaptor body through 90° then turn the head extension ring until it springs into its position in the slots of the head extension.

$^{5}/_{16}$" Avbolt® Nose Assemblies - 07220-07700 and 07220-07800

Fitting Instructions

Huck® 256 Tool:

- Lightly coat Jaws **3** with Moly Lithium grease.
- Assemble Spring Guide **6**, Shim **7**, Sping **5** and Follower **4** and stand on end on a flat even surface.
- Balance the three Jaws **3** on Follower **4**.
- Carefully lower Collet **2** over the assembled components.
- Holding the assembled collet pointing downwards, insert the Shim **8** behind the Spring Guide **6**.
- Holding the tool pointing down, screw the assembled collet fully onto the tool head piston and tighten with a suitable spanner.
- Place Anvil **1** over Collet **2** and into the tool. Slide the retainer nut over Anvil **1**, screw fully onto the tool and tighten by hand.

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **3**.
- Check that Spring **5**, Follower **4** and Spring Guide **6** are not distorted.
- Clean and inspect components, renewing worn or damaged items.
- Assemble according to the 'Fitting Instructions'.

$^{5}/_{16}$" Avbolt® Nose Assemblies - 73411-03300 and 73411-03400

IMPORTANT

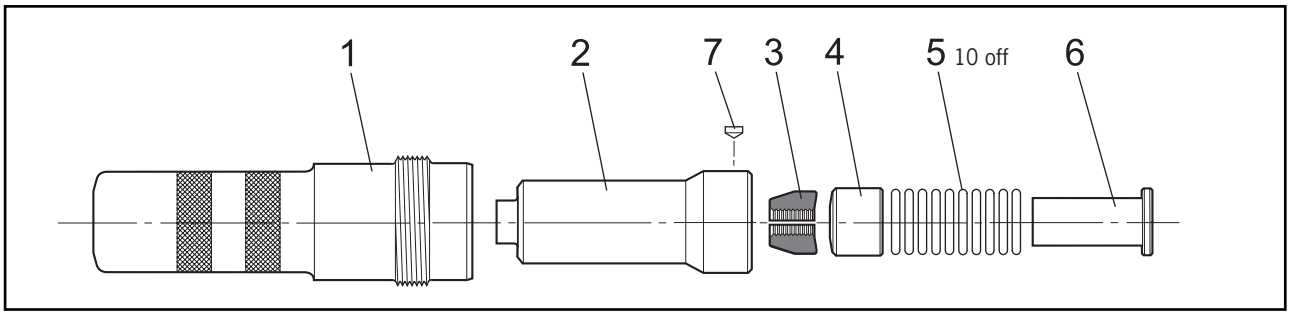
Be sure the tool power supply is turned off before fitting or removing the nose assembly.

NOSE ASSEMBLY
for Avdel T10 tool
part nº 73411-03300

ITEM	DESCRIPTION	PART Nº
1	ANVIL	73411-03301
2	COLLET	73411-03302
3	JAWS	73411-03303
4	FOLLOWER	73411-03304
5	'O' RINGS	07003-00426
6	SLEEVE	73411-03305
7	COLLET LOCK	73411-05004

NOSE ASSEMBLY
for Huck 2600 tool
part nº 773411-03400

ITEM	DESCRIPTION	PART Nº
1	ANVIL-HUCK	73411-03401
2	COLLET-HUCK	73411-03402
3	JAWS	73411-03303
4	FOLLOWER	73411-03304
5	'O' RINGS	07003-00426
6	SLEEVE	73411-03305
7	COLLET LOCK	73411-05004



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the tables and illustration above.

- Lightly coat Jaws **3** with Moly Lithium grease.
- On a flat work surface, assemble the Sleeve **6**, 'O' Rings **5**, Follower **4** and Jaws **3** by stacking vertically in that order.
- Place the Collet **2** over the assembled stack, slide to the end of the work surface and with a finger, push the stack fully inside the Collet.

T10 Tool:

- Holding the tool pointing down, screw the assembled collet fully onto the piston rod until it is flush with the end of the collet adaptor.
- Insert Collet Lock **7** into Collet **2**. Rotate Collet **2** on the piston rod in either direction until Collet Lock **7** slots into the nearest groove in the collet adaptor. The Collet Lock **7** should be flush with the exterior of Collet **2**.
- Slide Anvil **1** over the collet and screw into the anvil adaptor until it is firm.
- There is a locking 'O' Ring which will create a resistance to the final few turns of the nose casing. It is imperative that the nose casing be hand tightened up against the rear locking face.

Huck® 2600 Tool:

- Holding the tool pointing downwards, screw the assembled collet onto the piston rod until it bottoms out.
- Insert Collet Lock **7** into Collet **2**. Rotate Collet **2** on the piston rod in either direction until Collet Lock **7** slots into the nearest groove on the piston rod. The Collet Lock **7** should be flush with the exterior of Collet **2**.
- Place Anvil **1** over Collet **2** and into the tool. Slide the retainer nut over Anvil **1**, screw fully onto the tool and tighten by hand.

$^{5}/_{16}$" Avbolt® Nose Assemblies - 73411-03300 and 73411-03400

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **3**.
- Check that Follower **4**, Sleeve **6** and 'O' Rings **5** are not distorted.
- Assemble according to the 'Fitting Instructions'.

$^{3}/_{8}$" Avbolt® Nose Assemblies - 73411-03200 and 73411-03500

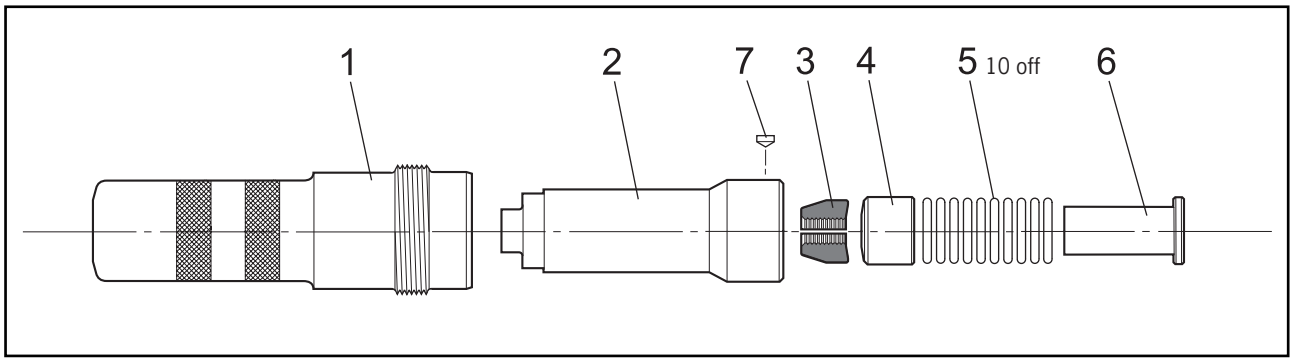
IMPORTANT
Be sure the tool power supply is turned off before fitting or removing the nose assembly.

NOSE ASSEMBLY
for Avdel® T10 tool
part nº 73411-03200

ITEM	DESCRIPTION	PART Nº
1	ANVIL	73411-03201
2	COLLET	73411-03202
3	JAWS	73411-03203
4	FOLLOWER	73411-03204
5	'O' RINGS	07003-00426
6	SLEEVE	73411-03205
7	COLLET LOCK	73411-05004

NOSE ASSEMBLY
for Huck® 2600 tool
part nº 73411-03500

ITEM	DESCRIPTION	PART Nº
1	ANVIL-HUCK®	73411-03501
2	COLLET-HUCK®	73411-03502
3	JAWS	73411-03203
4	FOLLOWER	73411-03204
5	'O' RINGS	07003-00426
6	SLEEVE	73411-03205
7	COLLET LOCK	73411-05004



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the tables and illustration above.

- Lightly coat Jaws **3** with Moly Lithium grease.
- On a flat work surface, assemble Sleeve **6**, 'O' Rings **5**, Follower **4** and Jaws **3** by stacking vertically in that order.
- Place Collet **2** over the assembly stack, slide to the end of the work surface and with a finger, push the stack fully into Collet **2**.

T10 Tool:

- Holding the tool pointing down, screw the assembled collet onto the piston rod until it is flush with the end of the collet adaptor.
- Insert Collet Lock **7** into Collet **2**. Rotate Collet **2** on the piston rod in either direction until Collet Lock **7** slots into the nearest groove on the collet adapter. The Collet Lock **7** should be flush with the exterior of Collet **2**.
- Slide Anvil **1** over Collet **2** and screw into the anvil adaptor until it is firm.
- There is a locking 'O' ring which will create a resistance to the final few turns of the nose casing. It is imperative that the nose casing be hand tightened up against the rear locking face.

Huck® 2600 Tool:

- Holding the tool pointing down, screw the assembled collet onto the piston rod until it bottoms out.
- Insert Collet Lock **7** into Collet **2**. Rotate Collet **2** on the piston rod in either direction until Collet Lock **7** slots into the nearest groove on the piston rod. The Collet Lock **7** should be flush with the exterior of Collet **2**.
- Place Anvil **1** over Collet **2** and into the tool. Slide the retainer nut over the Anvil **1**, screw fully onto the tool and tighten by hand.

$^{3}/_{8}$" Avbolt® Nose Assemblies - 73411-03200 and 73411-03500

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

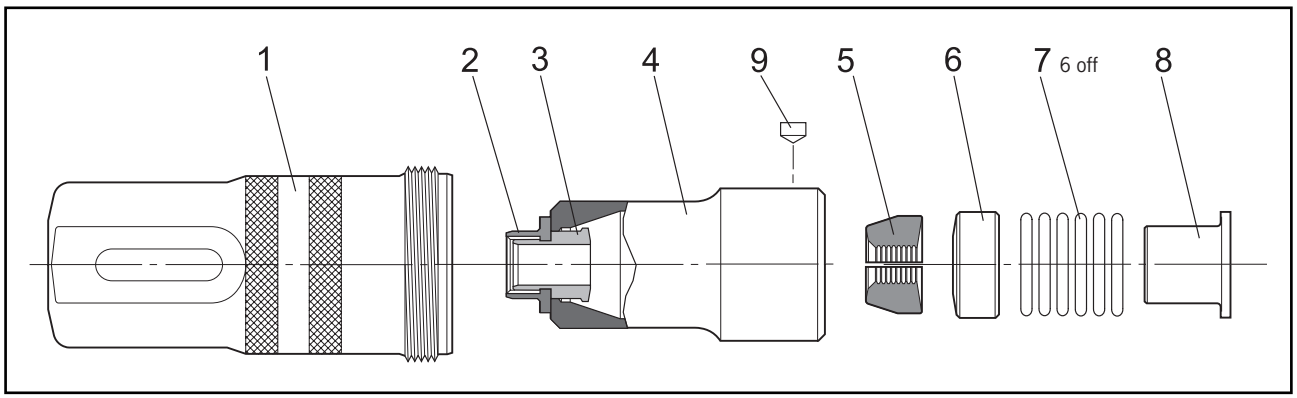
- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **3**.
- Check that Follower **4**, Sleeve **6** and 'O' Rings **5** are not distorted.
- Assemble according to the 'Fitting Instructions'.

$^{5}/_{8}$" Avbolt® Nose Assembly - 73412-03400 for Avdel® T30

IMPORTANT
Be sure the tool power supply is turned off before fitting or removing the nose assembly.

NOSE ASSEMBLY
for Avdel® T30 tool
part nº 73412-03400

ITEM	DESCRIPTION	PART Nº
1	ANVIL	73412-03401
2	COLLAR EJECTOR	73412-03408
3	JAW RELEASE	73412-03406
4	COLLET	73412-03402
5	JAWS	73412-03403
6	FOLLOWER	73412-03404
7	'O' RINGS	07003-00427
8	SLEEVE	73412-03405
9	COLLET LOCK	73412-03407



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the table and illustration above.

- Lightly coat Jaws **5** with Moly Lithium grease.
- On a flat work surface, assemble Sleeve **8**, 'O' Rings **7**, Follower **6** and Jaws **5** by stacking vertically in that order.
- The Collet **4** will be supplied pre-assembled with Collar Ejector **2** and Jaw Release **3** as shown.
- Place Collet **4** over the assembled stack, slide to the end of the work surface and with a finger, push the stack fully inside Collet **4**.
- Holding the tool pointing down, screw the assembled collet onto the piston rod until it is flush with the end of the collet adaptor.
- Insert Collet Lock **9** into Collet **4**. Rotate Collet **4** on the piston rod in either direction until Collet Lock **9** slots into the nearest groove on the collet adapter. The Collet Lock **9** should be flush with the exterior of Collet **4**.
- Slide Anvil **1** over Collet **4** and screw into the anvil adaptor until it is firm.
- There is a locking 'O' ring which will create a resistance to the final few turns of the nose casing. It is imperative that the nose casing be hand tightened up against the rear locking face.
- Correct installation of the nose assembly can be gauged by the free movement of the correct size pintail through the assembled jaws in the nose.

$^{5}/_{8}$" Avbolt® Nose Assembly - 73412-03400 for Avdel® T30

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

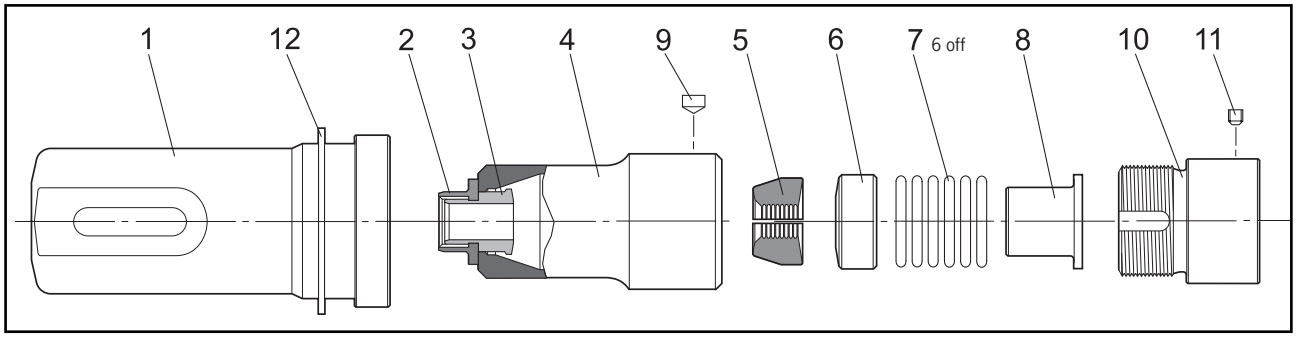
- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **5**.
- Check that Collar Ejector **2**, Follower **6**, Sleeve and 'O' Rings **7** are not distorted.
- To remove a damaged or worn Collar Ejector **2** cut at a point between the flange of the ejector and the end of Collet **4**. The Collar Ejector **2** and Jaw Release **3** can then be separated and removed from Collet **4**.
- When assembling a new Collar Ejector **2** and Jaw Release **3** in Collet **4**, first ensure that the threads are clean, before applying Loctite® 243 and screwing the two parts together within Collet **4**.
- Assemble according to the 'Fitting Instructions'.

$^{5}/_{8}$" Avbolt® Nose Assembly - 73412-03500 for Huck® 585

IMPORTANT
Be sure the tool power supply is turned off before fitting or removing the nose assembly.

NOSE ASSEMBLY
for Huck® 585 tool
part nº 73412-03500

ITEM	DESCRIPTION	PART Nº
1	ANVIL-HUCK®	73412-03501
2	COLLAR EJECTOR	73412-03408
3	JAW RELEASE	73412-03406
4	COLLET- HUCK®	73412-03502
5	JAWS	73412-03403
6	FOLLOWER	73412-03404
7	O ' RINGS	07003-00427
8	SLEEVE	73412-03405
9	COLLET LOCK	73412-03507
10	COLLET ADAPTOR	73412-03508
11	LOCKING SCREW	07001-00481
12	CIRCLIP	07004-00107



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the table and illustration above.

- Lightly coat Jaws **5** with Moly Lithium grease.
- On a flat work surface, assemble Sleeve **8**, 'O' Rings **7**, Follower **6** and Jaws **5** by stacking vertically in that order.
- The Collet **4** will be supplied pre-assembled with Collar Ejector **2** and Jaw Release **3** positioned as shown.
- Place Collet **4** over the assembled stack, slide to the end of the work surface and with a finger, push the stack fully inside Collet **4**.
- Screw Collet Adaptor **10** fully into the collet assembly. The shoulder of Collet Adaptor **10** should come ito contact with the rear of Collet **4**.
- Insert Collet Lock **9** into Collet **4**. Unscrew Collet Adaptor **10** until Collet Lock **9** slots into the nearest groove. The Collet Lock **9** should be flush with the exterior of Collet **4**.
- Screw the assembled Collet Adaptor **10** onto the piston rod until the rear face of Collet Adaptor **10** extends approximately 5mm beyond the front face of the tool adapter.
- Apply Loctite® 243 to Locking Screw **11** and insert into Collet Adapter **10**. Rotate Collet **4** on the piston rod in either direction until Locking Screw **11** can slot into the nearest groove on the piston rod. The Locking Screw **11** should then be inserted so it is flush with the exterior of Collet Adapter **10**.

$^{5}/_{8}$" Avbolt® Nose Assembly - 73412-03500 for Huck® 585

Fitting Instructions

- Place the split rings over Anvil **1** and adapter of the tool. Push Anvil **1** over Collet **4** and into the tool to assist in seating the split rings.
- Slide the sleeve or retainer over the split rings and then install Circlip **12** on Anvil **1**.
- Correct installation of the nose assembly can be gauged by the free movement of the correct size pintail through the assembled jaws in the nose.

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **5**.
- Check that Collar Ejector **2**, Follower **6**, Sleeve **8** and 'O' Rings **7** are not distorted.
- To remove a damaged or worn Collar Ejector **2** cut at a point between the flange of the ejector and the end of Collet **4**. The Collar Ejector **2** and Jaw Release **3** can then be separated and removed from Collet **4**.
- When assembling a new Collar Ejector **2** and Jaw Release **3** in Collet **4**, first ensure that the threads are clean, before applying Loctite® 243 and screwing the two parts together within Collet **4**.
- Assemble according to the 'Fitting Instructions'.

Notes

Notes

Notes

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Data Sheet No.	Issue	Change Note No.
07900-00905	A	08/007
	B	08/094

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Avdel®

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Large Diameter Avdelok® Nose Assembly Instructions T10, T30, T40 and T51 Tools

Safety Rules

This technical datasheet must be read with particular attention to the safety rules and operating instructions listed in the T10 (07900-00820), T30 (07900-00821), T40 (07900-00909) and T51 (07900-00819) Instruction Manuals, by any person fitting or operating the Avdelok® nose assemblies and hand tools.

Intent of Use

The LD Avdelok® nose assemblies in combination with the T10, T30, T40 and T51 tools are designed for placing Avdel® LD Avdelok® structural fasteners only. The correct placing tool and nose assembly must be selected for each fastener size as shown in the table below.

IMPORTANT

The tools and nose assemblies must be used in accordance with the safety rules and fitting instructions contained within this datasheet and the tool instruction manual. The placing of fasteners not included in this datasheet could have a detrimental impact on the working life of the tool and nose assemblies and could invalidate the warranty.

The table below provides a full list of part numbers, nose assemblies and base tools required to place each LD Avdelok® size. This table should be used to select and order the correct placing equipment.

For the fitting and servicing instructions for each nose assembly refer to the page number provided in the table below.

Nose Equipment Part Numbers

PRODUCT SIZE		NOSE ASSEMBLY			BASE TOOL	
AVDEL® REF.	HAT REF.	PART Nº	HAT REF.	PAGE	MODEL	PART Nº
3/8" Avdelok®	-	73411-03100	N10	2	T10	73411-02000
1/2" LD Avdelok®	No 13 Hydraloc	73412-03100	N32	4	T30	73412-02000
					T40	73414-02000
5/8" LD Avdelok®	No 16 Hydraloc	73412-03200	N31	4	T30	73412-02000
					T40	73414-02000
3/4" LD Avdelok®	No 19 Hydraloc	73412-03300	N30	4	T30	73412-02000
					T40	73414-02000
7/8" LD Avdelok®	No 22 Hydraloc	73410-03200	N53	7	T51	73410-02000
1" LD Avdelok®	No 25 Hydraloc	73410-03100	N50	7	T51	73410-02000
1 1/8" LD Avdelok®	No 28 Hydraloc	73410-03300	N52	7	T51	73410-02000

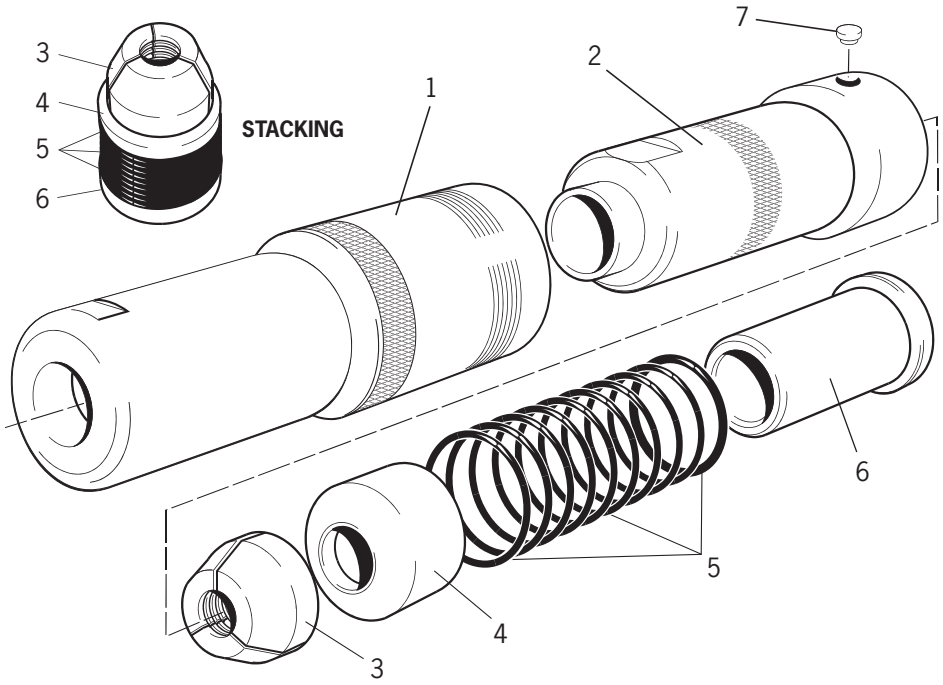
3/8" Avdelok® Nose Assembly - 73411-03100 for T10 Tool

IMPORTANT

Be sure the power supply is turned off before fitting or removing the nose assembly.

3/8" AVDELOK® NOSE ASSEMBLY - N10 part no 73411-03100

ITEM	DESCRIPTION	HAT REF.	PART NUMBER	QTY
1	ANVIL	N101	73411-03101	1
2	COLLET	N102	73411-03102	1
3	JAWSET	JS01	73411-03103	1
4	FOLLOWER	N107	73411-03104	1
5	'O' RING	R113	73411-03105	10
6	SLEEVE	N108	73411-03106	1
7	COLLET LOCK	MS23	73411-03107	1



Fitting Instructions

Important: Nose Assembly parts must be assembled clean and dry. Do not lubricate with oil or grease.

Item numbers in **bold** refer to nose assembly components in the table and illustration above.

- Ensure the installation tool piston is in the fully forward position.
- On a flat work surface, assemble Sleeve **6**, 'O' Rings **5**, Follower **4** and Jaws **3** by stacking vertically in that order.
- Carefully lower Collet **2** over the assembled components, slide to the edge of the work surface and with a finger, push the assembled components fully inside the collet.
- Holding the tool pointing down, screw the assembled collet fully onto the piston rod until it is flush with end of the collet adaptor.

3/8" Avdelok® Nose Assembly - 73411-03100 for T10 Tool

Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the table and illustration on page 2.

- Insert Collet Lock **7** into Collet **2**. Rotate Collet **2** on the piston rod in either direction until Collet Lock **7** slots into the nearest groove in the collet adaptor. The Collet Lock **7** should be flush with the exterior of Collet **2**.
- Slide Anvil **1** over the collet and screw into the anvil adaptor until it is firm.
- There is a locking 'O' Ring which will create a resistance to the final few turns of the nose casing. It is imperative that the nose casing be hand tightened up against the rear locking face.

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **3**.
- Check that Follower **4**, Sleeve **6** and 'O' Rings **5** are not distorted.
- Assemble according to the 'Fitting Instructions'.

1/2", 5/8" and 3/4", Avdelok® Nose Assemblies - 73412-03100, 73412-03200 and 73412-03300 for T30 and T40 Tools

IMPORTANT

Be sure the power supply is turned off before fitting or removing the nose assembly.

1/2" LD AVDELOK® NOSE ASSEMBLY - N32
part nº 73412-03100

ITEM	DESCRIPTION	HAT REF.	PART NUMBER	QTY
1	ANVIL	N321	73412-03101	1
2	*EJECTOR	N323	73412-03108	1
3	COLLET	N322	73412-03102	1
4	*RELEASE	N323	73412-03108	1
5	JAWSET	JS02	73412-03103	1
6	FOLLOWER	N327	73412-03106	1
7	'O' RING	R213	73412-03104	6
8	SLEEVE	N328	73412-03105	1
9	COLLET LOCK	MS21	73412-03307	1

EJECTOR/RELEASE KIT
part nº 73412-03108

ITEM	DESCRIPTION	QTY
2	EJECTOR	1
4	RELEASE	1

5/8" LD AVDELOK® NOSE ASSEMBLY - N31
part nº 73412-03200

ITEM	DESCRIPTION	HAT REF.	PART NUMBER	QTY
1	ANVIL	N311	73412-03201	1
2	*EJECTOR	N313	73412-03208	1
3	COLLET	N312	73412-03202	1
4	*RELEASE	N313	73412-03208	1
5	JAWSET	JS03	73412-03203	1
6	FOLLOWER	N317	73412-03206	1
7	'O' RING	R214	73412-03204	6
8	SLEEVE	N318	73412-03205	1
9	COLLET LOCK	MS21	73412-03307	1

EJECTOR/RELEASE KIT
part nº 73412-03208

ITEM	DESCRIPTION	QTY
2	EJECTOR	1
4	RELEASE	1

3/4" LD AVDELOK® NOSE ASSEMBLY - N30
part nº 73412-03300

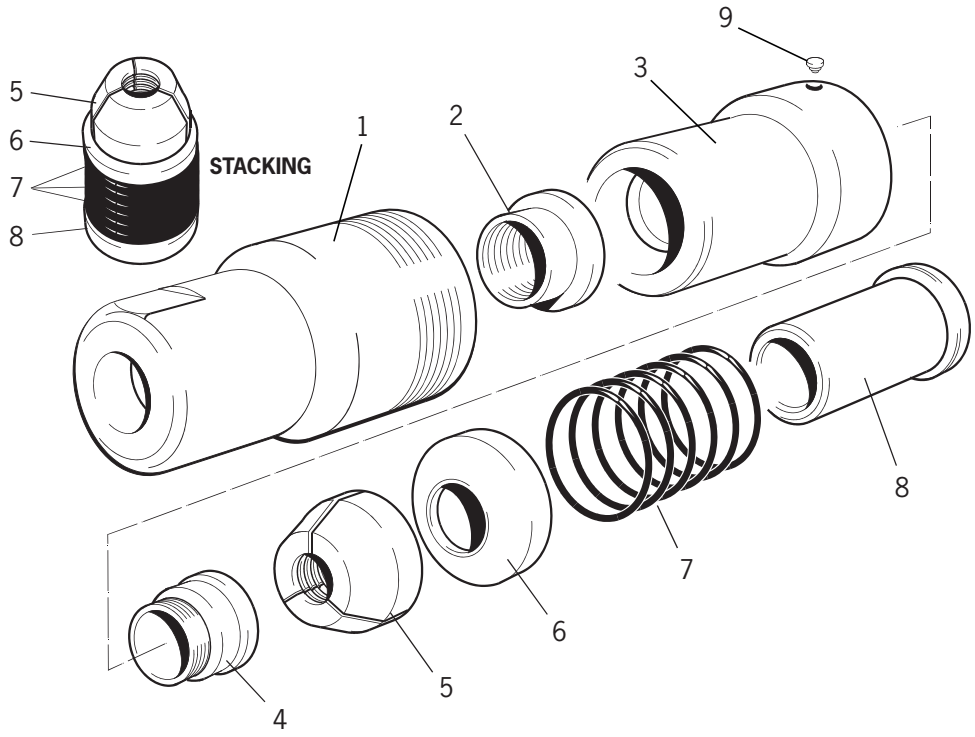
ITEM	DESCRIPTION	HAT REF.	PART NUMBER	QTY
1	ANVIL	N301	73412-03301	1
2	*EJECTOR	N303	73412-03308	1
3	COLLET	N302	73412-03302	1
4	*RELEASE	N303	73412-03308	1
5	JAWSET	JS04	73412-03303	1
6	FOLLOWER	N307	73412-03306	1
7	'O' RING	R216	73412-03304	7
8	SLEEVE	N308	73412-03305	1
9	COLLET LOCK	MS21	73412-03307	1

EJECTOR/RELEASE KIT
part nº 73412-03308

ITEM	DESCRIPTION	QTY
2	EJECTOR	1
4	RELEASE	1

***NOTE:** The Ejector **2** and Release **4** are only available as a kit containing both items. part numbers listed are for the complete Ejector/Release Kit.

1/2", 5/8"and 3/4", Avdelok® Nose Assemblies - 73412-03100, 73412-03200 and 73412-03300 for T30 and T40 Tools



Fitting Instructions

Important: Nose Assembly parts must be assembled clean and dry. Do not lubricate with oil or grease.

Item numbers in **bold** refer to nose assembly components in the table and illustration on pages 4 and 5.

- Ensure the installation tool piston is in the fully forward position.
- On a flat work surface, assemble Sleeve **8**, 'O' Rings **7**, Follower **6** and Jaws **5** by stacking vertically in that order.
- The Collet **3** will be supplied pre-assembled with the collar Ejector **2** and jaw Release **4**.
- Carefully lower Collet **3** over the assembled components, slide to the edge of the work surface and with a finger, push the assembled components fully inside the collet.
- Holding the tool pointing down, screw the assembled collet fully onto the piston rod until it is flush with end of the collet adaptor.
- Insert Collet Lock **9** into Collet **3**. Rotate Collet **3** on the piston rod in either direction until Collet Lock **9** slots into the nearest groove on the collet adaptor. The Collet Lock **9** should be flush with the exterior of Collet **3**.
- Slide Anvil **1** over Collet **3** and screw into the anvil adaptor until it is firm.
- There is a locking 'O' Ring which will create a resistance to the final few turns of the nose casing. It is imperative that the nose casing be hand tightened up against the rear locking face.
- Correct installation of the nose assembly can be gauged by the free movement of the correct size pintail through the assembled jaws in the nose.

1/2", 5/8" and 3/4", Avdelok® Nose Assemblies - 73412-03100, 73412-03200 and 73412-03300 for T30 and T40 Tools

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **5**.
- Check that the collar Ejector **2**, Follower **6**, Sleeve **8** and 'O' Rings **7** are not distorted.
- To remove a damaged or worn collar Ejector **2** cut at a point between the flange of the ejector and the end of Collet **3**. The collar Ejector **2** and jaw Release **4** can then be separated and removed from Collet **3**.
- When assembling a new collar Ejector **2** and jaw Release **4** in the Collet **3**, first ensure that the threads are clean, before applying Loctite® 243 and screwing the two parts together within Collet **3**.
- Assemble according to the 'Fitting Instructions'.

7/8", 1"and 1 1/8", Avdelok® Nose Assemblies - 73410-03100, 73410-03200 and 73410-03300 for T51 Tool

IMPORTANT

Be sure the power supply is turned off before fitting or removing the nose assembly.

7/8" LD AVDELOK® NOSE ASSEMBLY - N53
part nº 73410-03200

ITEM	DESCRIPTION	HAT REF.	PART NUMBER	QTY
1	ANVIL	N531	73410-03201	1
2	*EJECTOR	N533	73410-03208	1
3	COLLET	N532	73410-03202	1
4	*RELEASE	N533	73410-03208	1
5	JAWSET	JS05	73410-03203	1
6	FOLLOWER	N534	73410-03206	1
7	CUSHION	N535	73410-03204	6
8	END CAP	N536	73410-03205	1
9	COLLET LOCK	MS21	73412-03307	1

EJECTOR/RELEASE KIT
part nº 73410-03208

ITEM	DESCRIPTION	QTY
2	EJECTOR	1
4	RELEASE	1

1 " LD A VDELOK® NOSE ASSEMBLY - N50
part nº 73410-03100

ITEM	DESCRIPTION	HAT REF.	PART NUMBER	QTY
1	ANVIL	N501	73410-03101	1
2	*EJECTOR	N503	73410-03108	1
3	COLLET	N502	73410-03102	1
4	*RELEASE	N503	73410-03108	1
5	JAWSET	JS06	73410-03103	1
6	FOLLOWER	N504	73410-03106	1
7	CUSHION	N505	73410-03104	1
8	END CAP	N506	73410-03105	1
9	COLLET LOCK	MS21	73412-03307	1
10	**TAPER ANVIL	N501A	73410-03109	1

EJECTOR/RELEASE KIT
part nº 73410-03108

ITEM	DESCRIPTION	QTY
2	EJECTOR	1
4	RELEASE	1

1 1/8" LD AVDELOK® NOSE ASSEMBLY - N52
part nº 73410-03300

ITEM	DESCRIPTION	HAT REF.	PART NUMBER	QTY
1	ANVIL	N521	73410-03301	1
2	*EJECTOR	N523	73410-03308	1
3	COLLET	N502	73410-03102	1
4	*RELEASE	N523	73410-03308	1
5	JAWSET	JS06	73410-03103	1
6	FOLLOWER	N504	73410-03106	1
7	CUSHION	N505	73410-03104	1
8	END CAP	N506	73410-03105	1
9	COLLET LOCK	MS21	73412-03307	1

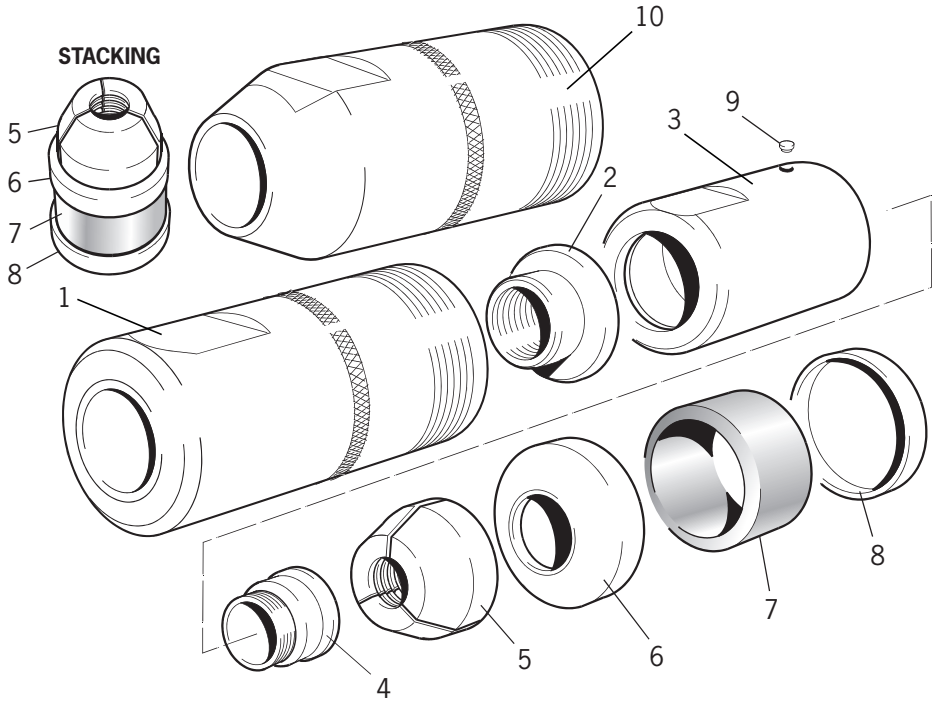
EJECTOR/RELEASE KIT
part nº 73410-03308

ITEM	DESCRIPTION	QTY
2	EJECTOR	1
4	RELEASE	1

***NOTE:** The Ejector **2** and Release **4** are only available as a kit containing both items. part numbers listed are for the complete Ejector/Release Kit.

****NOTE:** For improved access the alternative Tapered Anvil **10** is available for the 1" LD Avdelok®. This anvil is not supplied as part of the nose assembly 73410-03100, but can be ordered separately under part number 73410-03109.

$^{7}/_{8}$", 1"and $1^{1}/_{8}$", Avdelok® Nose Assemblies - 73410-03100, 73410-03200 and 73410-03300 for T51 Tool



Fitting Instructions

Important: Nose Assembly parts must be assembled clean and dry. Do not lubricate with oil or grease.

Item numbers in **bold** refer to nose assembly components in the table and illustration on pages 7 and 8.

- Ensure the installation tool piston is in the fully forward position.
- On a flat work surface, assemble End Cap **8**, Cushion **7**, Follower **6** and Jaws **5** by stacking vertically in that order.
- The Collet **3** will be supplied pre-assembled with the collar Ejector **2** and jaw Release **4**.
- Carefully lower Collet **3** over the assembled components, slide to the edge of the work surface and with a finger, push the assembled components fully inside the collet.
- Holding the tool pointing down, screw the assembled collet fully onto the piston rod until it is flush with end of the collet adaptor.
- Insert Collet Lock **9** into Collet **3**. Rotate Collet **3** on the piston rod in either direction until Collet Lock **9** slots into the nearest groove on the collet adaptor. The Collet Lock **9** should be flush with the exterior of Collet **3**.
- Slide Anvil **1** over Collet **3** and screw into the anvil adaptor until it is firm.
- There is a locking 'O' Ring which will create a resistance to the final few turns of the nose casing. It is imperative that the nose casing be hand tightened up against the rear locking face.
- Correct installation of the nose assembly can be gauged by the free movement of the correct size pintail through the assembled jaws in the nose.

$^{7}/_{8}$", 1"and 1$^{1}/_{8}$", Avdelok® Nose Assemblies - 73410-03100, 73410-03200 and 73410-03300 for T51 Tool

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on Jaws **5**.
- Check that collar Ejector **2**, Follower **6**, End Cap **8** and Cushion **7** are not distorted.
- To remove a damaged or worn collar Ejector **2** cut at a point between the flange of the ejector and the end of Collet **3**. The collar Ejector **2** and jaw Release **4** can then be separated and removed from Collet **3**.
- When assembling a new collar Ejector **2** and jaw Release **4** in Collet **3**, first ensure that the threads are clean, before applying Loctite® 243 and screwing the two parts together within Collet **3**.
- Assemble according to the 'Fitting Instructions'.

Notes

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Data Sheet No.	Issue	Change Note No.
07900-00919	A	08/117

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Avseal® II Nose Assembly Instructions

Genesis®, 07220 and T10 Tools

Safety Rules

This technical datasheet must be read with particular attention to the safety rules and operating instructions listed in the Genesis®, 07220 and T10 Instruction Manuals, by any person fitting or operating the Avseal® II nose assemblies and hand tools.

Intent of Use

The Avseal® II nose assemblies in combination with the Genesis®, 07220 and T10 tools are designed for placing Avdel® Avseal® II breakstem fasteners only. The correct placing tool and nose assembly must be selected for each fastener size as shown in the Table on pages 2 and 3.

IMPORTANT

The tools and nose assemblies must be used in accordance with the safety rules and fitting instructions contained within this datasheet and the tool instruction manuals. The placing of fasteners not included in this datasheet could have a detrimental impact on the working life of the tool and nose assemblies and could invalidate the warranty.

The Table on pages 2 and 3 provide a full list of part numbers for the nose tips, nose assemblies and base tools required to place each Avseal® II size. These tables should be used to select and order the correct placing equipment.

Each of the parts can be ordered separately or in the case of the Genesis® tools, a complete tool part number is provided that will include the base tool, nose assembly and nose tip.

Please note that there are two types of Avseal® II, the STANDARD range (details provided in Table 1, page 2) and the LOW PRESSURE range (details provided in Table 2, page 3) each requiring specific nose equipment for a given product size.

For the fitting and servicing instructions for each nose assembly refer to the page number provided in Table 1 and 2.

IMPORTANT

Nose assemblies do NOT include nose tips. Nose tips must be ordered separately.

Nose Equipment Part Numbers

Table 1: AVSEAL® II - STANDARD RANGE

AVSEAL® SIZE	NOSE TIP TYPE and PART NUMBER				NOSE ASSEMBLY		JAWS	BASE TOOL	
	FLUSH	1mm EXT.	2mm EXT.	8mm EXT.	PART No	REF. PAGE	PART No	MODEL	PART No
4 mm	-	71219-11346	71210-16106	71210-16110	71210-16100	4	71210-16101	GENESIS® G2	71210-02000
					71213-16100	5	71210-16101	GENESIS® nG2	71213-02000
5 mm	-	71219-11347	71210-16107	71210-16111	71210-16100	4	71210-16101	GENESIS® G2	71210-02000
					71213-16100	5	71210-16101	GENESIS® nG2	71213-02000
6 mm	71210-16104	71219-11348	71210-16108	71210-16112	71210-16100	4	71210-16101	*GENESIS® G2 GENESIS® G3 GENESIS® G3HD GENESIS® nG3	*71210-02000 71220-02000 71221-02000 71223-02000
					71213-16100	5	71210-16101	*GENESIS® nG2	*71213-02000
6.5 mm	71210-16114	71210-16117	71210-16115	71210-16116	71210-16100	4	71210-16101	*GENESIS® G2 GENESIS® G3 GENESIS® G3HD GENESIS® nG3	*71210-02000 71220-02000 71221-02000 71223-02000
					71213-16100	5	71210-16101	*GENESIS® nG2	71213-02000
7 mm	71210-16105	71219-11349	71210-16109	71210-16113	71210-16100	4	71210-16101	*GENESIS® G2 GENESIS® G3 GENESIS® G4 GENESIS® G3HD GENESIS® G4HD GENESIS® nG3 GENESIS® nG4	*71210-02000 71220-02000 71230-02000 71221-02000 71231-02000 71223-02000 71233-02000
					71213-16100	5	71210-16101	*GENESIS® nG2	*71213-02000
8 mm	71220-16102	71229-11350	71220-16103	71220-16104	71220-16100	4	71220-16120	GENESIS® G3 *GENESIS® G4 GENESIS® G3HD *GENESIS® G4HD GENESIS® nG3 *GENESIS® nG4	71220-02000 *71230-02000 71221-02000 *71231-02000 71223-02000 *71233-02000
9 mm	71230-16102	71239-11351	71230-16104	71230-16106	71230-15800	4	07612-02002	GENESIS® G4 GENESIS® G4HD GENESIS® nG4	71230-02000 71231-02000 71233-02000
10 mm	71239-16103	71239-11352	71230-16105	71230-16107	71230-16100	4	71230-16101	GENESIS® G4 GENESIS® G4HD GENESIS® nG4	71230-02000 71231-02000 71233-02000
11 mm	07220-06402	07220-06408	07220-06403	07220-06404	07220-06600	6	07220-06401	7220	07220-00200
12mm	07220-06502	07220-06511	07220-06504	07220-06506	07220-06700	6	07220-06501	7220	07220-00200

***PREFERRED BASE TOOL OPTION FOR AVSEAL® SIZE**

Nose Equipment Part Numbers

Table 2: AVSEAL® II - LOW PRESSURE / AUTOMOTIVE RANGE

AVSEAL® SIZE	NOSE TIP TYPE and PART NUMBER				NOSE ASSEMBLY		JAWS	BASE TOOL	
	FLUSH	1mm EXT.	2mm EXT.	8mm EXT.	PART No	REF. PAGE	PART No	MODEL	PART No
8 mm	71220-16102	71229-11350	71220-16103	71220-16104	71220-16100	4	71220-16120	GENESIS® G3 *GENESIS® G4 GENESIS® G3HD *GENESIS® G4HD GENESIS® nG3 *GENESIS® nG4	71220-02000 *71230-02000 71221-02000 *71231-02000 71223-02000 *71233-02000
9 mm	71220-16105	71220-16121	71220-16106	71220-16107	71220-16100	4	71220-16120	GENESIS® G3 *GENESIS® G4 GENESIS® G3HD *GENESIS® G4HD GENESIS® nG3 *GENESIS® nG4	71220-02000 *71230-02000 71221-02000 *71231-02000 71223-02000 *71233-02000
10 mm	71230-16109	71230-16118	71230-16112	71230-16115	71230-15800	4	07612-02002	GENESIS® G4 GENESIS® G4HD GENESIS® nG4	71230-02000 71231-02000 71233-02000
11 mm	71230-16110	71230-16119	71230-16113	71230-16116	71230-16100	4	71230-16101	GENESIS® G4 GENESIS® G4HD GENESIS® nG4	71230-02000 71231-02000 71233-02000
12 mm	71230-16111	71230-16120	71230-16114	71230-16117	71230-16100	4	71230-16101	GENESIS® G4 GENESIS® G4HD GENESIS® nG4	71230-02000 71231-02000 71233-02000
13 mm	07220-06405	07220-06409	07220-06406	07220-06407	07220-06600	6	07220-06401	7220	07220-00200
14 mm	07220-06508	07220-06512	07220-06509	07220-06510	07220-06700	6	07220-06501	7220	07220-00200
14 mm FLANGED	07220-06508	-	-	-	07220-06700	6	07220-06501	7220	07220-00200
16 mm	73411-05008	73411-05011	73411-05009	73411-05010	73411-05000	7	73411-05001	T10	73411-02000
16 mm FLANGED	73411-05008	-	-	-	73411-05000	7	73411-05001	T10	73411-02000
18 mm	73411-05208	73411-05212	73411-05209	73411-05210	73411-05200	7	73411-05201	T10	73411-02000
20 mm	73411-05408	73411-05413	73411-05409	73411-05410	73411-05400	7	73411-05401	T10	73411-02000

***PREFERRED BASE TOOL OPTION FOR AVSEAL® SIZE**

Genesis® Nose Assemblies - 71210-16100, 71220-16100, 71230-15800 and 71230-16100

IMPORTANT
The air supply must be disconnected when fitting or removing nose assemblies.

NOSE ASSEMBLY part nº 71210-16100

ITEM	DESCRIPTION	PART Nº
1	NOSE CASING	07340-00306
2	'O' RING	07003-00067
3	JAW HOUSING	07340-00304
4	JAWS	71210-16101
5	JAW SPREADER	07498-04502
6	BUFFER	71210-05001
7	SPRING	07500-00418
8	LOCKING RING	07340-00327

NOSE ASSEMBLY part nº 71220-16100

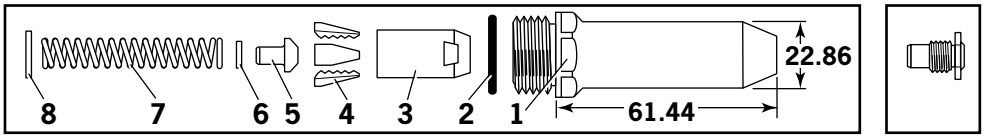
ITEM	DESCRIPTION	PART Nº
1	NOSE CASING	07340-00306
2	'O' RING	07003-00067
3	JAW HOUSING	07612-02003
4	JAWS	71220-16120
5	JAW SPREADER	07498-04502
6	BUFFER	07498-03003
7	SPRING	07500-00418
8	LOCKING RING	07340-00327

NOSE ASSEMBLY part nº 71230-15800

ITEM	DESCRIPTION	PART Nº
1	NOSE CASING	07340-00306
2	'O' RING	07003-00067
3	JAW HOUSING	07612-02003
4	JAWS	07612-02002
5	JAW SPREADER	07498-04502
6	BUFFER	07498-03003
7	SPRING	07500-00418
8	LOCKING RING	07340-00327

NOSE ASSEMBLY part nº 71230-16100

ITEM	DESCRIPTION	PART Nº
1	NOSE CASING	07340-00306
2	'O' RING	07003-00067
3	JAW HOUSING	07612-02003
4	JAWS	71230-16101
5	JAW SPREADER	07498-04502
6	BUFFER	07948-03003
7	SPRING	07500-00418
8	LOCKING RING	07340-00327



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the tables and diagram above.

- Lightly coat Jaws **4** with Moly Lithium grease*.
- Drop Jaws **4** into Jaw Housing **3**.
- Insert Jaw Spreader **5** into Jaw Housing **3**.
- Locate Buffer **6** on Jaw Spreader **5**.
- Locate Spring **7** onto Jaw Spreader **5**.
- Fit Locking Ring **8** onto the jaw spreader housing.
- Holding tool pointing down, screw the assembled jaw housing onto the jaw spreader housing and tighten with spanner*.
- Screw the nose tip into Nose Casing **1** and tighten with spanner*.
- Place Nose Casing **1** with 'O' Ring **2** over Jaw Housing **3** and screw onto the tool, tightening with spanner*.

Servicing Instructions

- Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly and nose tips as they will need regular replacement.
- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged part should be replaced.
- Clean and check wear on jaws.
- Ensure that the jaw spreader is not distorted.
- Check that the spring is not distorted.
- Assemble according to fitting instructions.

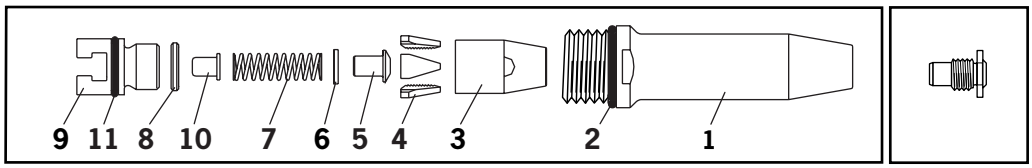
* Item included in the G2 and G4 service kits. For complete list refer to the G2 and G4 instruction manuals.

Genesis® nG2 Nose Assembly - 71213-16100

IMPORTANT
The air supply must be disconnected when fitting or removing nose assemblies.

NOSE ASSEMBLY
part nº 71213-16100

ITEM	DESCRIPTION	PART Nº
1	TAPERED NOSE CASING	71213-00350
2	'O' RING	07003-00067
3	JAW HOUSING - TAPERED	71210-15902
4	JAW	71210-16101
5	JAW SPREADER	07498-04502
6	BUFFER	71210-05001
7	SPRING	07500-00418
8	LOCKING RING	07340-00327
9	JAW SPREADER HOUSING 'T'	71210-20321
10	DETENT SLEEVE	71210-20322
11	'O' RING	07003-00277



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the table and diagram above.

- Lightly coat Jaws **4** with Moly Lithium grease*.
- Drop Jaws **4** into Jaw Housing **3**.
- Insert Jaw Spreader **5** into Jaw Housing **3**.
- Locate Buffer **6** on Jaw Spreader **5**.
- Locate Spring **7** onto Jaw Spreader **5**.
- Insert Detent Sleeve **10** into Jaw Spreader Housing 'T' **9**.
- Fit Locking Ring **8** onto Jaw Spreader Housing 'T' **9**.
- For tools converted to nose assemblies Type 2 and 3, fit Locking Ring **8** onto Jaw Spreader Housing 'T' **9** attached to the tool.
- Tighten Jaw Housing **3** and assemble components onto Jaw Spreader Housing 'T' **9**.
- Utilising the 'T' section profiles assemble nose assembly onto the tool piston via the Male 'T' Adaptor
- Screw the nose tip into Nose Casing **1** and tighten with a spanner*.
- Place Nose Casing **1** over Jaw Housing **3** and screw onto the tool, tightening with a spanner*.

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly and nose tips as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged parts should be replaced.
- Clean and check wear on jaws.
- Ensure that the Jaw Spreader **5** is not distorted.
- Check Spring **7** is not distorted.
- Assemble according to fitting instructions above.

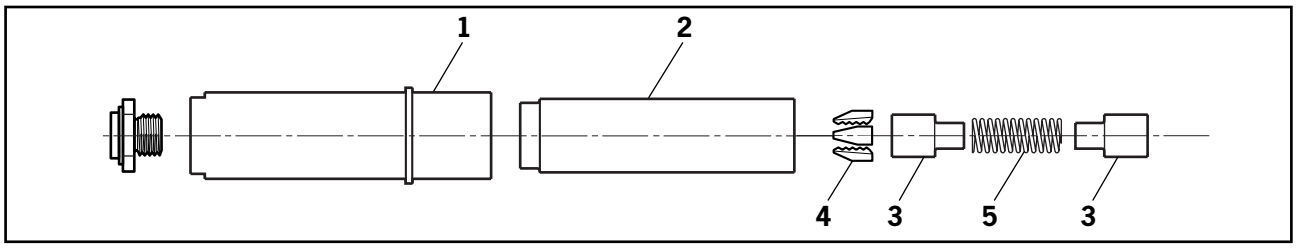
*Refers to items included in the nG2 service kit. For complete kit refer to nG2 Instruction Manual.

07220 Nose Assemblies – 07220-06600 and 07220-06700

IMPORTANT
The air supply must be disconnected when fitting or removing nose assemblies.

NOSE ASSEMBLY part nº 07220-06600		
ITEM	**DESCRIPTION**	**PART Nº**
1	NOSE CASING	07220-06601
2	JAW HOUSING	07220-06602
3	SPRING GUIDE	07220-06603
4	JAWS	07220-06401
5	SPRING	07500-02005

NOSE ASSEMBLY part nº 07220-06700		
ITEM	**DESCRIPTION**	**PART Nº**
1	NOSE CASING	07220-06601
2	JAW HOUSING	07220-06602
3	SPRING GUIDE	07220-06603
4	JAWS	07220-06501
5	SPRING	07500-02005



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the tables and diagram above.

- Lightly coat Jaws **4** with Moly Lithium grease*.
- Assemble Spring Guides **3** and Spring **5** and stand on end on a flat even surface.
- Balance the three Chuck Jaws **4** on the upper Spring Guide **3.**
- Carefully lower Jaw Housing **2** over the assembled components.
- Holding tool pointing down, screw the assembled jaw housing onto the tool head piston and tighten with spanner*.
- Screw the nose tip into Nose Casing **1** and tighten with spanner*.
- Place Nose Casing **1** over the Jaw Housing **2** and onto the tool, ensuring that the lugs on the body enter the slots in the head extension of the tool.
- Turn the reducing adaptor body through 90 ° then turn the head extension ring until it springs into its position in the slots of the head extension.

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly and nose tips as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged parts should be replaced.
- Clean and check wear on jaws.
- Check that the spring and spring guides are not distorted.
- Clean and inspect components, renewing worn or damaged items.
- Assemble according to fitting instructions above.

*Refers to items included in the 07220 service kit. For complete kit refer to 07220 Instruction Manual

T10 Nose Assemblies – 73411-05000, 73411-05200 and 73411-05400

IMPORTANT
The air supply must be disconnected when fitting or removing nose assemblies.

NOSE ASSEMBLY part nº 73411-05000

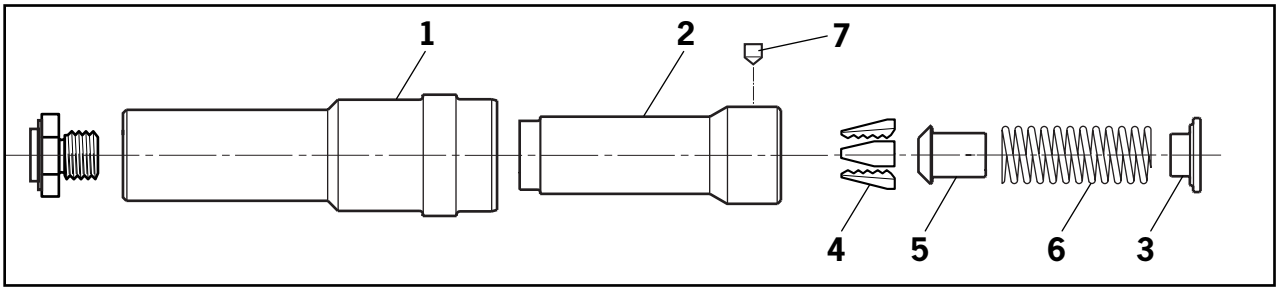
ITEM	DESCRIPTION	PART Nº
1	NOSE CASING	73411-05007
2	JAW HOUSING	73411-05005
3	SPRING GUIDE	07220-06301
4	JAWS	73411-05001
5	JAW SPREADER	07220-06302
6	SPRING	07220-06305
7	COLLET LOCK	73411-05004

NOSE ASSEMBLY part nº 73411-05200

ITEM	DESCRIPTION	PART Nº
1	NOSE CASING	73411-05007
2	JAW HOUSING	73411-05005
3	SPRING GUIDE	07220-06301
4	JAWS	73411-05201
5	JAW SPREADER	07220-06302
6	SPRING	07220-06305
7	COLLET LOCK	73411-05004

NOSE ASSEMBLY part nº 73411-05400

ITEM	DESCRIPTION	PART Nº
1	NOSE CASING	73411-05007
2	JAW HOUSING	73411-05005
3	SPRING GUIDE	07220-06301
4	JAWS	73411-05401
5	JAW SPREADER	07220-06302
6	SPRING	07220-06305
7	COLLET LOCK	73411-05004



Fitting Instructions

Item numbers in **bold** refer to nose assembly components in the tables and diagram above.

- Lightly coat Jaws **4** with Moly Lithium grease.
- Drop Jaws **4** into Jaw Housing **2**.
- Insert Jaw Spreader **5** into Jaw Housing **2**.
- Locate Spring **6** on Jaw Spreader **5**.
- Locate Spring Guide **3** onto Spring **6**.
- Holding tool pointing down, screw the assembled jaw housing onto the piston rod until it is flush with the end of the collet adaptor and tighten with a spanner.
- Insert Collet Lock **7** into Jaw Housing **2** ensuring that it sits below the outer surface of the jaw housing.
- Screw the nose tip into Nose Casing **1** and tighten with a spanner.
- Slide the Nose Casing **1** over the jaw housing and screw into the anvil adaptor until it is firm.
- There is a locking 'O' ring which will create a resistance to the final few turns of the nose casing. It is imperative that the nose casing be hand tightened up against the rear locking face.

Servicing Instructions

Nose assemblies should be serviced at weekly intervals. You should hold some stock of all internal components of the nose assembly and nose tips as they will need regular replacement.

- Remove the nose assembly using the reverse procedure to the 'Fitting Instructions'.
- Any worn or damaged parts should be replaced.
- Clean and check wear on jaws.
- Ensure that the jaw spreader is not distorted.
- Check that the spring and spring guide is not distorted.
- Assemble according to fitting instructions above.

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Notes

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Data Sheet No.	Issue	Change Note No.
07900-00840	D	06/165
	E	07/044
	E2	07/103
	F	08/018
	G	08/177

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